

05-03-01

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05/02/01

UTILITY PATENT APPLICATION TRANSMITTAL (Large Entity) <i>(Only for new nonprovisional applications under 37 CFR 1.53(b))</i>		Docket No. FIS920010077US1
TO THE ASSISTANT COMMISSIONER FOR PATENTS		Total Pages in this Submission 09/847479
Box Patent Application Washington, D.C. 20231		05/02/01
<p>Transmitted herewith for filing under 35 U.S.C. 111(a) and 37 C.F.R. 1.53(b) is a new utility patent application for an invention entitled:</p> <div style="border: 1px solid black; padding: 5px; margin-top: 5px;"> <p>GATE LINewidth TAILORING AND CRITICAL DIMENSION CONTROL FOR SUB-100 NM DEVICES USING PLASMA ETCHING</p> <p>Assignee Name: International Business Machines Corporation Assignee Residence: Armonk, New York</p> </div>		
<p>and invented by:</p> <div style="border: 1px solid black; padding: 5px; margin-top: 5px;"> <p>Jeffrey J. Brown, Sadanand Vinayak Deshpande, David V. Horak, Maheswaran Surendra, Len Y. Tsou, Qingyun Yang, Chienfan Yu and Ying Zhang</p> </div>		
<p>If a CONTINUATION APPLICATION, check appropriate box and supply the requisite information:</p> <p><input type="checkbox"/> Continuation <input type="checkbox"/> Divisional <input type="checkbox"/> Continuation-in-part (CIP) of prior application No.: _____</p> <p>Which is a:</p> <p><input type="checkbox"/> Continuation <input type="checkbox"/> Divisional <input type="checkbox"/> Continuation-in-part (CIP) of prior application No.: _____</p> <p>Which is a:</p> <p><input type="checkbox"/> Continuation <input type="checkbox"/> Divisional <input type="checkbox"/> Continuation-in-part (CIP) of prior application No.: _____</p> <p>Enclosed are:</p> <p style="text-align: center;">Application Elements</p> <ol style="list-style-type: none"> 1. <input type="checkbox"/> Filing fee as calculated and transmitted as described below 2. <input checked="" type="checkbox"/> Specification having <u>18</u> pages and including the following: <ol style="list-style-type: none"> a. <input checked="" type="checkbox"/> Descriptive Title of the Invention b. <input checked="" type="checkbox"/> Cross References to Related Applications (<i>if applicable</i>) c. <input type="checkbox"/> Statement Regarding Federally-sponsored Research/Development (<i>if applicable</i>) d. <input type="checkbox"/> Reference to Microfiche Appendix (<i>if applicable</i>) e. <input checked="" type="checkbox"/> Background of the Invention f. <input checked="" type="checkbox"/> Brief Summary of the Invention g. <input checked="" type="checkbox"/> Brief Description of the Drawings (<i>if drawings filed</i>) h. <input checked="" type="checkbox"/> Detailed Description i. <input checked="" type="checkbox"/> Claim(s) as Classified Below j. <input checked="" type="checkbox"/> Abstract of the Disclosure 		

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Docket No.
FIS920010077US1

Total Pages in this Submission

Application Elements (Continued)

3. Drawing(s) (when necessary as prescribed by 35 USC 113)
a. Formal Number of Sheets 1
b. Informal Number of Sheets _____

4. Oath or Declaration
a. Newly executed (original or copy) Unexecuted
b. Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional application only)
c. With Power of Attorney Without Power of Attorney
d. **DELETION OF INVENTOR(S)**
Signed statement attached deleting inventor(s) named in the prior application,
see 37 C.F.R. 1.63(d)(2) and 1.33(b).

5. Incorporation By Reference (usable if Box 4b is checked)
The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under
Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby
incorporated by reference therein.

6. Computer Program in Microfiche (Appendix)

7. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all must be included)
a. Paper Copy
b. Computer Readable Copy (identical to computer copy)
c. Statement Verifying Identical Paper and Computer Readable Copy

Accompanying Application Parts

8. Assignment Papers (cover sheet & document(s))

9. 37 CFR 3.73(B) Statement (when there is an assignee)

10. English Translation Document (if applicable)

11. Information Disclosure Statement/PTO-1449 Copies of IDS Citations

12. Preliminary Amendment

13. Acknowledgment postcard

14. Certificate of Mailing

First Class Express Mail (Specify Label No.): EK140407020US

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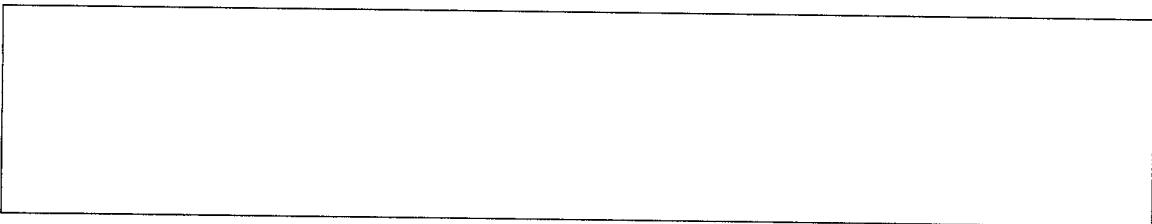
Docket No.
FIS920010077US1

Total Pages in this Submission

Accompanying Application Parts (Continued)

15. Certified Copy of Priority Document(s) *(if foreign priority is claimed)*

16. Additional Enclosures *(please identify below):*



Request That Application Not Be Published Pursuant To 35 U.S.C. 122(b)(2)

17. Pursuant to 35 U.S.C. 122(b)(2), Applicant hereby requests that this patent application not be published pursuant to 35 U.S.C. 122(b)(1). Applicant hereby certifies that the invention disclosed in this application has not and will not be the subject of an application filed in another country, or under a multilateral international agreement, that requires publication of applications 18 months after filing of the application.

Warning

An applicant who makes a request not to publish, but who subsequently files in a foreign country or under a multilateral international agreement specified in 35 U.S.C. 122(b)(2)(B)(i), must notify the Director of such filing not later than 45 days after the date of the filing of such foreign or international application. A failure of the applicant to provide such notice within the prescribed period shall result in the application being regarded as abandoned, unless it is shown to the satisfaction of the Director that the delay in submitting the notice was unintentional.

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Fee Calculation and Transmittal

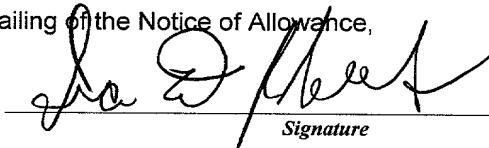
CLAIMS AS FILED

For	#Filed	#Allowed	#Extra	Rate	Fee
Total Claims	16	- 20 =	0	x \$18.00	\$0.00
Indep. Claims	4	- 3 =	1	x \$80.00	\$80.00
Multiple Dependent Claims (check if applicable)	<input type="checkbox"/>				\$0.00
				BASIC FEE	\$710.00
OTHER FEE (specify purpose)					\$0.00
				TOTAL FILING FEE	\$790.00

A check in the amount of _____ to cover the filing fee is enclosed.

The Commissioner is hereby authorized to charge and credit Deposit Account No. **09-0458 FI-242** as described below. A duplicate copy of this sheet is enclosed.

- Charge the amount of **\$790.00** as filing fee.
- Credit any overpayment.
- Charge any additional filing fees required under 37 C.F.R. 1.16 and 1.17.
- Charge the issue fee set in 37 C.F.R. 1.18 at the mailing of the Notice of Allowance, pursuant to 37 C.F.R. 1.311(b).



Signature

Dated:

Ira D. Blecker
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2070 Rt. 52
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cc:

CERTIFICATE OF MAILING BY "EXPRESS MAIL" (37 CFR 1.10)

Applicant(s): Jeffrey J. Brown et al.

Docket No.

FIS920010077US1

Serial No.

Filing Date

Examiner

Group Art Unit

Invention: **GATE LINEWIDTH TAILORING AND CRITICAL DIMENSION CONTROL FOR SUB-100 NM
DEVICES USING PLASMA ETCHING**

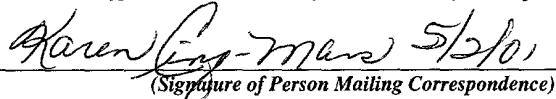
I hereby certify that this Utility Patent Application Transmittal
(Identify type of correspondence)

is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under
37 CFR 1.10 in an envelope addressed to: The Commissioner of Patents and Trademarks, Washington, D.C.

20231-0001 on 5/2/01
(Date)

Karen Cinq-Mars

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